

Furthermore, the step of swaging the guide tube to form an additional swaged portion may be performed prior to the step of inserting the guide tube into the aperture.

Further under the invention, a vehicle seat assembly includes a seat back frame having an aperture extending therethrough, and a headrest guide tube disposed in the aperture. The guide tube has first and second radially extending swaged portions engaged with the seat back frame for securing the guide tube to the seat back frame.

These and other objects, features, and advantages of the present invention are readily apparent from the following detailed description of the best modes for carrying out the invention when taken in connection with the accompanying drawings.

In The Claims

Please delete claims ~~1-12~~ and add new claims ~~14-21~~ as shown below:

14. A method of attaching a head rest guide tube to a seat back frame having an aperture extending therethrough, the method comprising:
inserting the guide tube into the aperture; and
swaging the guide tube to form a swaged portion engaged with the seat back frame to thereby secure the guide tube to the seat back frame.

15. The method of claim 14 further comprising swaging the guide tube to form an additional swaged portion on the guide tube, wherein the additional swaged portion cooperates with the swaged portion to secure the guide tube to the seat back frame.

16. The method of claim 15 wherein the step of swaging the guide tube to form an additional swaged portion is performed prior to the step of inserting the guide tube into the aperture.

17. A method of attaching a head rest guide tube to a seat back frame having a flat portion, the flat portion having an aperture extending therethrough, the method comprising:

forming a first radially extending swaged portion on the guide tube;
inserting the guide tube into the aperture; and

forming a second radially extending swaged portion on the guide tube such that the flat portion extends between the swaged portions, and such that the swaged portions abut the flat portion to thereby secure the guide tube to the seat back frame.

18. The method of claim 17 wherein the step of forming a first swaged portion is performed prior to the step of inserting the guide tube into the aperture.

19. A vehicle seat assembly comprising:

a seat back frame having an aperture extending therethrough; and

a head rest guide tube disposed in the aperture and having first and second radially extending swaged portions engaged with the seat back frame for securing the guide tube to the seat back frame.

20. The assembly of claim 19 wherein the seat back frame includes a flat portion, and the aperture extends through the flat portion.

21. The assembly of claim 19 wherein the seat back frame includes an additional aperture, and the assembly includes an additional head rest guide tube disposed in the additional aperture, the additional guide tube having first and second radially extending swaged portions engaged with the seat back frame for securing the additional guide tube to the seat back frame.